

Patent Abstracts of Japan

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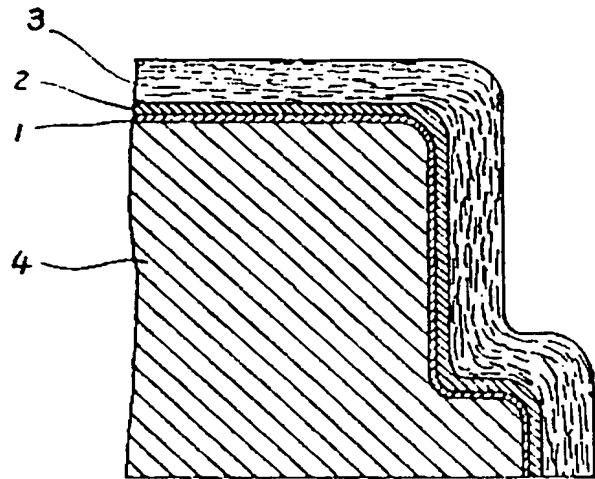
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TITLE : FIBER-REINFORCED PLASTIC  
MOLDED PRODUCT AND ITS  
MANUFACTURE



ABSTRACT : PURPOSE: To contrive elimination or reduction of labour in facilities by reducing sharply processes in lamination molding, by a method wherein a gelcoat resin layer is provided on the inner surface, a gelcoat-reinforced layer mixed with a short fiber or a specific length is provided on the outside of the gelcoat- reinforced layer and a lining laminated layer composed of fiber-reinforced resin is provided on the outside of the same further.

CONSTITUTION: A gelcoat layer 1 is formed and then resin for gelcoat is cured after the same mixed with a short fiber of 0.2~1.0mm long has been laminated to a thickness of 0.3~0.8mm through a spray-up method or a hand lay-up method, and then a gelcoat reinforced layer 2 is formed. Then laminating resin obtained by mixing up chapped strand of a glass fiber or a glass mat with thermosetting resin, for example, unsaturated polyester resin is laminated on the gelcoat reinforced layer 2 to a thickness of 1.0~3.0mm through the hand lay-up method or the spray-up method. After defoaming, the laminated resin is either heated or cured at normal temperature, through which a lining laminated layer 3 is formed.

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